

Weekly Report

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文件 编辑 查看 书签 设置 帮助

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VariableMetric: Iteration # 1 - FCN = 3.512371573916 Edm = 3.82589e-14 NCalls = 14
VariableMetric: After Hessian - FCN = 3.512371573916 Edm = 3.73358e-14 NCalls = 24
VariableMetric: Iteration # 2 - FCN = 3.512371573916 Edm = 3.73358e-14 NCalls = 24
Minuit2Minimizer : Valid minimum - status = 0
FVAL = 3.51237157391649069
Edm = 3.73357953032091033e-14
Nfcn = 24
alpha_ATLAS_LUMI = -0.304873 +/- 0.797026 (limited)
alpha_kgg = 7.81597e-14 +/- 0.993354 (limited)
Minuit2Minimizer: Minimize with max-calls 1000 convergence for edm < 1 strategy 1
MnSeedGenerator: for initial parameters FCN = 3.561619197332
MnSeedGenerator: Initial state: - FCN = 3.561619197332 Edm = 2.14457e-05 NCalls = 9
VariableMetric: start iterating until Edm is < 0.001
VariableMetric: Initial state - FCN = 3.561619197332 Edm = 2.14457e-05 NCalls = 9
VariableMetric: Iteration # 0 - FCN = 3.561619197332 Edm = 2.14457e-05 NCalls = 9
VariableMetric: Iteration # 1 - FCN = 3.561597752213 Edm = 3.58523e-14 NCalls = 14
VariableMetric: After Hessian - FCN = 3.561597752213 Edm = 3.47616e-14 NCalls = 24
VariableMetric: Iteration # 2 - FCN = 3.561597752213 Edm = 3.47616e-14 NCalls = 24
Minuit2Minimizer : Valid minimum - status = 0
FVAL = 3.56159775221294117
Edm = 3.47616039056302706e-14
Nfcn = 24
alpha_ATLAS_LUMI = -0.310115 +/- 0.796931 (limited)
alpha_kgg = -8.17124e-14 +/- 0.993354 (limited)
Minuit2Minimizer: Minimize with max-calls 1000 convergence for edm < 1 strategy 1
MnSeedGenerator: for initial parameters FCN = 3.611528111496
MnSeedGenerator: Initial state: - FCN = 3.611528111496 Edm = 2.15843e-05 NCalls = 9
VariableMetric: start iterating until Edm is < 0.001
VariableMetric: Initial state - FCN = 3.611528111496 Edm = 2.15843e-05 NCalls = 9
VariableMetric: Iteration # 0 - FCN = 3.611528111496 Edm = 2.15843e-05 NCalls = 9
VariableMetric: Iteration # 1 - FCN = 3.611506527705 Edm = 3.35737e-14 NCalls = 14
VariableMetric: After Hessian - FCN = 3.611506527705 Edm = 3.2638e-14 NCalls = 24
VariableMetric: Iteration # 2 - FCN = 3.611506527705 Edm = 3.2638e-14 NCalls = 24
Minuit2Minimizer : Valid minimum - status = 0
FVAL = 3.61150652770477398
Edm = 3.26379728693022691e-14
Nfcn = 24
alpha_ATLAS_LUMI = -0.315373 +/- 0.796834 (limited)
alpha_kgg = -8.17124e-14 +/- 0.993354 (limited)
Minuit2Minimizer: Minimize with max-calls 1000 convergence for edm < 1 strategy 1
MnSeedGenerator: for initial parameters FCN = 3.662116452954
MnSeedGenerator: Initial state: - FCN = 3.662116452954 Edm = 2.1721e-05 NCalls = 9
VariableMetric: start iterating until Edm is < 0.001
VariableMetric: Initial state - FCN = 3.662116452954 Edm = 2.1721e-05 NCalls = 9
VariableMetric: Iteration # 0 - FCN = 3.662116452954 Edm = 2.1721e-05 NCalls = 9
VariableMetric: Iteration # 1 - FCN = 3.66209473246 Edm = 3.10384e-14 NCalls = 14
VariableMetric: After Hessian - FCN = 3.66209473246 Edm = 3.00615e-14 NCalls = 24
VariableMetric: Iteration # 2 - FCN = 3.66209473246 Edm = 3.00615e-14 NCalls = 24
Minuit2Minimizer : Valid minimum - status = 0
FVAL = 3.66209473246048223
Edm = 3.00614692979152843e-14
Nfcn = 24
alpha_ATLAS_LUMI = -0.320648 +/- 0.796735 (limited)
alpha_kgg = -8.17124e-14 +/- 0.993354 (limited)

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```
[zhan@lxplus710 scripts]$ python plot_scan_multiple.py ../../../../run/offshellanalysis/Statistics/ConfigFiles/Example/outputs_HZZoffShell/mu_scan_36fb_all_Sys_v1_bin0p5.root:"test" mu "#mu_{ggF}"
```

```
RooFit v3.60 -- Developed by Wouter Verkerke and David Kirkby  
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```

```
file_namesList ['../../../../run/offshellanalysis/Statistics/ConfigFiles/Example/outputs_HZZoffShell/mu_scan_36fb_all_Sys_v1_bin0p5.root']  
physics has 102 entries  
Low: 0 0.522804  
Hi: 3.3 1.00473  
Best mu: 0.999995 +2.30001 -1.06999  
Info in <TCanvas::Print>: png file ../../../../run/offshellanalysis/Statistics/ConfigFiles/Example/outputs_HZZoffShell/mu_scan_36fb_all_Sys_v1_bin0p5.png has been created
```

